THE ASTROPHYSICAL JOURNAL SUPPLEMENT

AUTHOR INDEX

VOLUME 112

1997 SEPTEMBER TO OCTOBER

ALBERT, C. E. A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

ALBRECHT, P. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

ALLOIN, D. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

BARSONY, MARY. A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

BASRI, GIBOR. Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

BAUM, STEFI A. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

BEERS, T. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

BIDELMAN, WILLIAM P. Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

BIRETTA, JOHN. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

BLADES, J. CHRIS. Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

BRAGAGLIA, A. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

BROWN, JASON S. Survey of *r*-Process Models. *Bradley S. Meyer & Jason S. Brown.* 112, 199 (1997)

CALDERÓN, J. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

CARETTA, C. A. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

CARRANZA, G. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

CHATZICHRISTOU, E. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

CLAESKENS, J.-F. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

CRAIG, N. A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

DA COSTA, R. D. D. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

DE KOFF, SIGRID. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

DE SOUZA, R. E. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

DIAZ, R. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

DIETRICH, M. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

DOTTORI, H. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

ELIZALDE, F. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

FEDERSPIEL, M. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

FEIBELMAN, WALTER A. The Greatly Expanded *IUE* Spectrum of the Planetary Nebula NGC 2371-2 and Its Central Star. *Walter A. Feibelman.* 112, 193 (1997)

FEINSTEIN, C. H II Regions in Southern Spiral Galaxies: The Hα Luminosity Function. *C. Feinstein.* 112, 29 (1997)

FESEN, ROBERT A. Optically Identified Supernova Remnants in the Nearby Spiral Galaxies: NGC 5204, NGC 5585, NGC 6946, M81, and M101. *David M. Matonick & Robert A. Fesen.* 112, 49 (1997)

FILIPPENKO, ALEXEI V. A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

GHOSH, K. K. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

GIANNUZZO, E. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

GOLDES, G. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

GOLOMBEK, DANIEL. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

GREGORIO-HETEM, J. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

HAWLEY, SUZANNE L. Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

HECKMAN, TIMOTHY M. The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

HO, LUIS C. A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

HOLLYWOOD, J. M. General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

JELINSKY, S. A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

JOHNS-KRULL, CHRISTOPHER M. Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

KENYON, SCOTT J. A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

KWOK, SUN. Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

LADA, ELIZABETH A. A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

LU, LIMIN. High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

MACCHETTO, FERDINANDO. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

MAIA, M. A. G. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

MARLOWE, AMANDA T. The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

MATHYS, G. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

MATONICK, DAVID M. Optically Identified Supernova Remnants in the Nearby Spiral Galaxies: NGC 5204, NGC 5585, NGC 6946, M81, and M101. *David M. Matonick & Robert A. Fesen.* 112, 49 (1997)

MCCARTHY, PATRICK J. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

MELIA, FULVIO. General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

MENDES DE OLIVEIRA, C. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

MEURER, GERHARDT R. The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

MEYER, BRADLEY S. Survey of *r*-Process Models. *Bradley S. Meyer & Jason S. Brown.* 112, 199 (1997)

MILEY, GEORGE K. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

MIYAZAWA, MORIO. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

NAKANISHI, KOUICHIRO. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

PAOLANTONIO, S. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

PENG, CHIEN Y. A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

PETERSON, B. M. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

PUTNEY, ANGELA. Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

RODRIGUES DE OLIVEIRA FILHO, I. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

RODRIGUEZ-ARDILA, A. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

RODRÍGUEZ-PASCUAL, P. M. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

SAITŌ, MAMORU. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

SALAMANCA, I. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

SANTOS-LLEÓ, M. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data. *M. Santos-Lleó, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodríguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calderón, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, C. N. A. Willmer, & W. Zheng.* 112, 271 (1997)

SARGENT, WALLACE L. W. A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

SASSEEN, T. A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

SAVAGE, BLAIR D. High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

SCHMITT, H. R. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

SCHOMMER, ROBERT. The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

SHIROYA, RYUICHI. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

SOKER, NOAM. Properties That Cannot Be Explained by the Progenitors of Planetary Nebulae. *Noam Soker.* 112, 487 (1997)

SOUNDARARAJAPERUMAL, S. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

SPARKS, WILLIAM B. *Hubble Space Telescope* Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

STEIN, P. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

STENHOLM, B. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

STIRPE, G. M. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

TAKATA, TADAFUMI. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

TAKEUCHI, TSUTOMU T. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

TEUBEN, PETER J. A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

TRIPP, TODD M. High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

VALENTI, JEFF A. Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

VOLK, KEVIN. Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

WALBORN, NOLAN R. Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

WATANABE, SHIGEO. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

WELSH, B. Y. A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

WILHELM, R. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

WILLMER, C. N. A. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

WINGE, C. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

YAMADA, TORU. Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

ZANIN, C. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

ZHENG, W. See SANTOS-LLEÓ, M., et al. Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data.

SUBJECT INDEX

VOLUME 112

1997 SEPTEMBER TO OCTOBER

ACCRETION, ACCRETION DISKS

General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

CATALOGS

Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

Properties That Cannot Be Explained by the Progenitors of Planetary Nebulae. *Noam Soker.* 112, 487 (1997)

Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

COSMOLOGY: LARGE-SCALE STRUCTURE OF UNIVERSE

Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

GALAXIES: ACTIVE

Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data. *M. Santos-Lleó, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodríguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calderón, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, C. N. A. Willmer, & W. Zheng.* 112, 271 (1997)

A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

GALAXIES: FUNDAMENTAL PARAMETERS

A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

GALAXIES: INDIVIDUAL

Name: Fairall 9

Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data. *M. Santos-Lleó, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodríguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calderón, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, C. N. A. Willmer, & W. Zheng.* 112, 271 (1997)

GALAXIES: ISM

High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

H II Regions in Southern Spiral Galaxies: The Hα Luminosity Function. *C. Feinstein.* 112, 29 (1997)

Optically Identified Supernova Remnants in the Nearby Spiral Galaxies: NGC 5204, NGC 5585, NGC 6946, M81, and M101. *David M. Matonick & Robert A. Fesen.* 112, 49 (1997)

A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

GALAXIES: KINEMATICS AND DYNAMICS

The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

GALAXIES: NUCLEI

Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data. *M. Santos-Lleó, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodríguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calderón, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, C. N. A. Willmer, & W. Zheng.* 112, 271 (1997)

A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

GALAXIES: PHOTOMETRY

The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

GALAXIES: QUASARS: ABSORPTION LINES

High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

GALAXIES: QUASARS: INDIVIDUAL

Alphanumeric: HS 1700+6416

High Signal-to-Noise Echelle Spectroscopy of Quasar Absorption Line Systems with Metals in the Direction of HS 1700+6416. *Todd M. Tripp, Limin Lu, & Blair D. Savage.* 112, 1 (1997)

GALAXIES: SEYFERT

Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data. *M. Santos-Lleó, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodríguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calderón, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, C. N. A. Willmer, & W. Zheng.* 112, 271 (1997)

A Search for "Dwarf" Seyfert Nuclei. III. Spectroscopic Parameters and Properties of the Host Galaxies. *Luis C. Ho, Alexei V. Filippenko, & Wallace L. W. Sargent.* 112, 315 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

GALAXIES: SPIRAL

H II Regions in Southern Spiral Galaxies: The Hα Luminosity Function. *C. Feinstein.* 112, 29 (1997)

GALAXIES: STARBURST

The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

GALAXIES: STRUCTURE

The Taxonomy of Blue Amorphous Galaxies. I. Hα and *UBVI* Data. *Amanda T. Marlowe, Gerhardt R. Meurer, Timothy M. Heckman, & Robert Schommer.* 112, 285 (1997)

Hubble Space Telescope Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

GALAXY: OPEN CLUSTERS AND ASSOCIATIONS: INDIVIDUAL

Name: 30 Doradus

Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

Name: ρ Ophiuchi

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

INFRARED: GALAXIES

Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

INFRARED: STARS

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

ISM: ABUNDANCES

A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

ISM: CLOUDS

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

ISM: H II REGIONS

H II Regions in Southern Spiral Galaxies: The Hα Luminosity Function. *C. Feinstein.* 112, 29 (1997)

ISM: INDIVIDUAL

Name: 30 Doradus

Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

Name: ρ Ophiuchi

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

ISM: PLANETARY NEBULAE: GENERAL

Properties That Cannot Be Explained by the Progenitors of Planetary Nebulae. *Noam Soker.* 112, 487 (1997)

ISM: PLANETARY NEBULAE: INDIVIDUAL

NGC Number: NGC 2371-2

The Greatly Expanded *IUE* Spectrum of the Planetary Nebula NGC 2371-2 and Its Central Star. *Walter A. Feibelman.* 112, 193 (1997)

ISM: STRUCTURE

Properties That Cannot Be Explained by the Progenitors of Planetary Nebulae. *Noam Soker.* 112, 487 (1997)

ISM: SUPERNOVA REMNANTS

Optically Identified Supernova Remnants in the Nearby Spiral Galaxies: NGC 5204, NGC 5585, NGC 6946, M81, and M101. *David M. Matonick & Robert A. Fesen.* 112, 49 (1997)

LINE: IDENTIFICATION

The Greatly Expanded *IUE* Spectrum of the Planetary Nebula NGC 2371-2 and Its Central Star. *Walter A. Feibelman.* 112, 193 (1997)

LINE: PROFILES

Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

NUCLEAR REACTIONS, NUCLEOSYNTHESIS, ABUNDANCES

Survey of *r*-Process Models. *Bradley S. Meyer & Jason S. Brown.* 112, 199 (1997)

POLARIZATION

Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

RADIO CONTINUUM: GALAXIES

Hubble Space Telescope Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

RELATIVITY

General Relativistic Effects on the Infrared Spectrum of Thin Accretion Disks in Active Galactic Nuclei: Application to Sagittarius A*. *J. M. Hollywood & Fulvio Melia.* 112, 423 (1997)

STARS: AGB AND POST-AGB

Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

STARS: CIRCUMSTELLAR MATTER

Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

STARS: EARLY-TYPE

Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

STARS: EVOLUTION

Properties That Cannot Be Explained by the Progenitors of Planetary Nebulae. *Noam Soker.* 112, 487 (1997)

STARS: FLARE

Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

STARS: FORMATION

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

STARS: FUNDAMENTAL PARAMETERS

Spectral Classification of the 30 Doradus Stellar Populations. *Nolan R. Walborn & J. Chris Blades.* 112, 457 (1997)

Classification and Identification of *IRAS* Sources with Low-Resolution Spectra. *Sun Kwok, Kevin Volk, & William P. Bidelman.* 112, 557 (1997)

STARS: MAGNETIC FIELDS

Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

STARS: ROTATION

Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

STARS: SUPERNOVAE: GENERAL

Survey of *r*-Process Models. *Bradley S. Meyer & Jason S. Brown.* 112, 199 (1997)

STARS: WHITE DWARFS

Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

SUN: CHROMOSPHERE

Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

SUN: CORONA

Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

SUN: FLARES

Hamilton Echelle Spectroscopy of the 1993 March 6 Solar Flare. *Christopher M. Johns-Krull, Suzanne L. Hawley, Gibor Basri, & Jeff A. Valenti.* 112, 221 (1997)

SURVEYS

Optically Identified Supernova Remnants in the Nearby Spiral Galaxies: NGC 5204, NGC 5585, NGC 6946, M81, and M101. *David M. Matonick & Robert A. Fesen.* 112, 49 (1997)

A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core. *Mary Barsony, Scott J. Kenyon, Elizabeth A. Lada, & Peter J. Teuben.* 112, 109 (1997)

Search and Redshift Survey for *IRAS* Galaxies behind the Milky Way and Structure of the Local Void. *Kouichiro Nakanishi, Tadafumi Takata, Toru Yamada, Tsutomu T. Takeuchi, Ryuichi Shiroya, Morio Miyazawa, Shigeo Watanabe, & Mamoru Saitō.* 112, 245 (1997)

A Search for "Dwarf" Seyfert Nuclei. IV. Nuclei with Broad Hα Emission. *Luis C. Ho, Alexei V. Filippenko, Wallace L. W. Sargent, & Chien Y. Peng.* 112, 391 (1997)

Hubble Space Telescope Snapshot Survey of 3CR Radio Source Counterparts. II. Radio Galaxies with $z > 0.5$. *Patrick J. McCarthy, George K. Miley, Sigrid de Koff, Stefi A. Baum, William B. Sparks, Daniel Golombek, John Biretta, & Ferdinando Macchetto.* 112, 415 (1997)

A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)

Surveying DC White Dwarfs for Magnetic Fields. *Angela Putney.* 112, 527 (1997)

ULTRAVIOLET: ISM

The Greatly Expanded *IUE* Spectrum of the Planetary Nebula NGC 2371-2 and Its Central Star. *Walter A. Feibelman.* 112, 193 (1997)

ULTRAVIOLET: STARS

A Minisurvey of Interstellar Titanium from the Southern Hemisphere. *B. Y. Welsh, T. Sasseen, N. Craig, S. Jelinsky, & C. E. Albert.* 112, 507 (1997)